

County Cass sec. 2 T. 46 R. 37

Owner Belton Gas Co. Elev. 1028 MGS# 2049

Farm Scott Marsh No. 3 TD 820 Shows 089 Spls. 10

Date
Status Completed 1905 Fm GTD

Remarks:

BEDD6

00090

RECORD OF BELTON GAS COMPANY WELL NO. 3.

(SE. 1/4, Sec. 2, T. 46 N., R. 33 W.)

Stratum.	Thickness,	Depth,	
			Feet.
Recent:			
Soil.....	5	5	
Joint clay.....	7	12	
Pennsylvanian:			
Kansas City formation:			
White lime (Iola limestone).....	10	22	
Blue shale.....	5	27	
Red shale.....	10	37	
Blue lime.....	20	57	
White slate.....	10	67	
White lime.....	3	70	
Blue slate.....	5	75	
White sand.....	15	90	
White slate.....	20	110	
White lime.....	40	150	
Black slate.....	5	155	
White lime.....	15	170	
Black slate.....	5	175	
Water (175).....			
Blue lime.....	15	190	
Pleasanton formation:			
White shale.....	92	282	
TOP OF GAS SAND (282).....			
GAS SAND.....	12	294	
GAS SAND.....	17	311	
Black slate.....	4	315	
White slate.....	30	345	
White sand.....	10	355	
White slate.....	10	365	
White lime.....	8	373	
Henrietta formation:			
White shale.....	7	380	
Blue lime.....	15	395	
White shale.....	5	400	
Black slate.....	6	406	
Blue lime.....	7	413	
Black slate, water and GAS.....	5	418	
GAS SAND.....	7	425	
White slate.....	5	430	
Sand and lime.....	10	440	
Dark slate.....	3	443	
White slate.....	7	450	
Lime.....	5	455	
Cherokee formation:			
White slate.....	20	475	
OIL SAND.....	15	490	
Shale, white.....	15	505	
Black shale.....	25	530	
GAS SAND.....	15	545	
Black slate.....	10	555	
Flint lime.....	5	560	
White slate.....	40	600	
Black slate.....	40	605	
White slate.....	35	640	
Set 6 1/4 casing.....			
White slate.....	10	650	
Dark slate.....	50	700	

Scanned

32 OIL AND GAS POSSIBILITIES IN THE BELTON AREA.

RECORD OF BELTON GAS COMPANY WELL NO. 3—Continued.

Stratum.	Thickness.	Depth.
	Feet.	Feet.
Pennsylvanian—Continued.		
Cherokee formation—Continued.		
GRAY OIL SAND, small showing.....	35	735
White slate.....	20	755
OIL SAND.....	10	765
White shale.....	15	780
Sand and salt water (780).....		
OIL SAND.....	25	805
Black slate.....	10	815
Sandy lime.....	5	820

Most of the wells west of Belton in the NW. $\frac{1}{4}$ of section 14 are located on the crest of the Belton anticline and within the area enclosed by the 1,060-foot contour line. The three best wells north of town are situated on the northeast flank of anticline between the 1,045 and 1,050-foot contours. In this connection it is of interest to note that the Mastin oil wells about 1 mile north of the last mentioned gas wells are located still lower structurally, between the 1,005 and 1020-foot contours.

Martin City.—In 1908 Mr. Louis H. Knocke drilled 5 wells for gas near Martin City in or near the SE. $\frac{1}{4}$, Sec. 20, Twp. 47 N. The deepest drilling was carried to a depth of about 550 feet and ended 290 feet below the top of the Cherokee shale. Gas was encountered at several horizons in each well and some oil was found. The first gas sand encountered was found in the Pleasanton shale at a depth of 150 feet and the second sand either at the base of the Henrietta or the top of the Cherokee at a depth of 250 feet. The first important producing gas however, occurs in a sandstone lying about 25 feet below the top of the Cherokee and only 5 to 10 feet thick. It is reached in the wells which start a little above the Bethany Falls limestone, at a depth of about 275 feet. Other gas sands affording stronger pressures lie deeper in the Cherokee. Concerning the sands Mr. Knocke states: "I am using only the top gas now which is 274 feet deep with a pressure of 65 pounds; the better ones are below. One at 350 feet gives a pressure of 105 pounds, one at 435 feet, 108 pounds; and the last one struck at 522 feet gave a pressure of 187 $\frac{1}{4}$ pounds. The man who tested the 522-foot gas said it made 1,580,000 feet per day." The sand at 435 feet contains considerable oil which Mr. Knocke reports to be heavy and thick and which fills the wells so as to interfere with the gas flow.